



PU-810 Product Information Sheet

Product Description

PU-810 is a medium curing, 100% mercury free, solvent free, two-component polyurethane insulating glass sealant. The rheological properties of the product make it suitable for manual and robot processing. The instructions of the equipment manufacturer should be observed.

Application Areas

It has the adhesion characteristics, tensile properties and durability necessary to resist the "pumping" caused by wind loads, temperature changes and pressure changes.

	Component A	Component B
Color	beige	black
Density	approx. 1.7 g/cm ³ (14.2 lb/gal)	approx. 1.08 g/cm ³ (9.0 lb/gal)
Odor		
Consistency	pasty – thixotropic	Liquid
Mixing ratio		
By weight	10	0.628
By volume	10	1

Mixture (Component A +B)

Color	Dark Gray
Density	approx. 1.64 g/cm ³ (13.7 lb/gal)
Consistency	pasty - thixotropic
Sag resistance	1 mm
Potlife	50 min
No longer tacky after	approx. 3 hours
Shore A Hardness (at standard temp. and humidity)	
Average values	
after 3 hours	approx. 25
after 24 hours	approx. 50
Tensile strength in line with ASTM D-412	
Average values	approx. 1.6 MPa

ADEQUATE TESTS: The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all of your requirements.

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Application Preliminary statement

Prior to application it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

Pretreatment

All surfaces must be clean, dry and free from grease.

Application

It is formulated for use with conventional meter mix equipment at a volume mixing ratio of 10 parts of base to 1.0 part of catalyst. The base is packaged in 200-liter polyethylene-lined, straight-sided drums; the catalyst in 20-liter closed head pails. The rate of cure can be accelerated by heating the unit up to 49°C without affecting the performance of the sealant.

Extended exposure of either base or catalyst to air should be avoided. Exposure of the base could result in uptake of water that could result in decreased product performance.

Exposure can be minimized by taking three precautions:

1. Make drum changes quickly,
2. Leave the follower plate on the material in the drum when the equipment is not in use, and
3. Seal partial drums tightly and purge the headspace with dry nitrogen or argon if possible.

Exposure of the catalyst can likewise result in water uptake. Again, simple steps will minimize the problem: make quick additions of catalyst to the pressure pot; leave the pressure pot closed when the equipment is not in use; seal partial pails and purge the headspace with dry nitrogen or argon if possible; and use and maintain the desiccant tube on the pressure pot air line. If the catalyst is exposed to sufficient atmospheric moisture, it will film over and/or begin to thicken. If this occurs, the material should be discarded in accordance with local, state and federal regulations. Agitate catalyst before use.

Storage

Frost-sensitive	None. Prior to processing, the product must be brought to a suitable processing temperature (see relevant information).
Recommended storage temperature	+15°C to +25°C When stored at temperatures > +24°C, the product's properties such as viscosity, sag resistance, potlife and curing time are affected.
Shelf life	6 months original closed packaging

Packaging

Drum kit	200 liters of component A in a drum with, Øi = 571,5mm, 20 liters B-component in a drum with Øi = 280mm
Drum / drum combination	10 drums of 200 liters each of component A each, Øi = 571,5mm 1 drum of 20 liters of component B

Hazard Indications / Safety Recommendations / Transport Regulations

see Safety Data Sheet

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ARBITRATION – Purchaser agrees that any claim of less than \$100,000 shall be submitted for binding arbitration before a single arbitrator and shall be governed by the rules and procedures of the American Arbitration Association. The arbitrator and the American Arbitration Association shall be paid by the Purchaser.

CONDITIONAL ACCEPTANCE — Fuller's acceptance of Purchaser's order for this product is expressly conditional on Purchaser's assent to terms and conditions set forth herein.

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